

CLAIMS

- 1 1. A method of interpreting a document using a processor, a
2 memory, and a television, the method comprising:
 - 3 identifying the document as comprising a compiled hypertext
4 markup language (CHTML) document;
 - 5 reading a color palette from the document, the color palette
6 specified in a YUV format;
 - 7 reading a plurality of display elements from the document, each
8 of the plurality of display elements specifying a corresponding absolute position,
9 each of the plurality of display elements corresponding to one or more hypertext
10 markup language (HTML) tags in a source document from which the CHTML
11 document was compiled; and
 - 12 rendering each of the plurality of display elements on the
13 television at the corresponding absolute position.
- 1 2. The method of claim 1, wherein the plurality of display
2 elements includes at least one of a line element, a rectangle element, and a circle
3 element.
- 1 3. The method of claim 1, wherein the plurality of display
2 elements includes at least one link element, the link element including a uniform
3 resource locator (URL) of a corresponding linked item.
- 1 4. The method of claim 1, wherein the plurality of display
2 elements includes at least one image element, the image element corresponding
3 to a color palette bitmap image in the CHTML document.
- 1 5. The method of claim 1, wherein the plurality of display
2 elements includes at least one text element, the text element including a font, a

3 size, a style, and a color, the text element occupying no more than one line on
4 the television.

1 6. The method of claim 1, wherein the plurality of display
2 elements includes at least one Java class element.

1 7. A system, the system comprising:
2 a communication medium;
3 a television; and
4 a set top box, the set top box coupled to the communication
5 medium and the television, the set top box capable of receiving a compiled
6 hypertext markup language (CHTML) document over the communication
7 medium and interpreting the CHTML document for display on the television.

1 8. An apparatus for interpreting a document for a television, the
2 apparatus comprising:

3 means for identifying the document as comprising a compiled
4 hypertext markup language (CHTML) document;
5 means for reading a color palette from the document, the color
6 palette specified in a YUV format;
7 means for reading a plurality of display elements from the
8 document, each of the plurality of display elements specifying a corresponding
9 absolute position, each of the plurality of display elements corresponding to one
10 or more hypertext markup language (HTML) tags in a source document from
11 which the CHTML document was compiled; and
12 means for rendering each of the plurality of display elements on
13 the television at the corresponding absolute position.